

they came nearer and nearer together, and at length became co-incident; and afterwards when I went still further off, they parted again in a contrary order, the violet by a greater Refraction being carried beyond the red.

*Exper. 8.* In Summer when the Sun's Light uses to be strongest, I placed a Prism at the hole of the Window-shut, as in the third Experiment, yet so that its Axis might be Parallel to the Axis of the World, and at the opposite Wall in the Sun's refracted Light, I placed an open Book. Then going Six Feet and two Inches from the Book, I placed there the abovementioned Lens, by which the Light reflected from the Book might be made to converge and meet again at the distance of six Feet and two Inches behind the Lens, and there paint the Species of the Book upon a sheet of white Paper much after the manner of the second Experiment. The Book and Lens being made fast, I noted the place where the Paper was, when the Letters of the Book, illuminated by the fullest red Light of the Solar Image falling upon it, did cast their Species on that Paper most distinctly; And then I stay'd till by the Motion of the Sun and consequent Motion of his Image on the Book, all the Colours from that red to the middle of the blew pass'd over those Letters; and when those Letters were illuminated by that blew, I noted again the place of the Paper when they cast their Species most distinctly upon it: And I found that this last place of the Paper was nearer to the Lens than its former place by about two Inches and an half, or two and three quarters. So much sooner therefore did the Light in the violet end of the Image by a greater Refraction converge and meet, than the Light in the red end. But in trying this the Chamber was as dark as I could make it. For if these Colours be diluted and weakened by the mixture of any adventitious Light, the distance

between

between the places distance in the second natural Bodies were half, by reason of in the Colours of full, intense, and distance is two Inches Colours still more distance would be of Light of the Prism scribed in the 11th by the Light of Body intermixing scattered by the in so very much com faint and dark Col the Paper were not

*Exper. 9.* A Prism equal to one another a right one, I placed to a dark Chamber as in the third Experiment about its Axis unt of its Angles and by its Base, at which I observed that the Refraction were so therefore that those were most Refrangible become more copious that afterwards the came as copious as reflected Light pass